AOC MONITOR

USER`S GUIDE

2236Vwa

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SAFETY INTRODUCTION

The following subsections describe notational conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:

NOTE: A NOTE indicates important information that helps you make better use of your computer system.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem.Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.

Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.

Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 - 240V AC, Min. 5A

The wall socket shall be installed near the equipment and shall be easily accessible.

For use only with the attached power adapter (Output 12Vdc) which have **UL,CSA** listed license (Only for monitors with power adapter).

Do not place the monitor on an unstable cart, stand, tripod, bracket, or table. If the monitor falls, it can injure a person and cause serious damage to this product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with this product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. A product and cart combination should be moved with care.

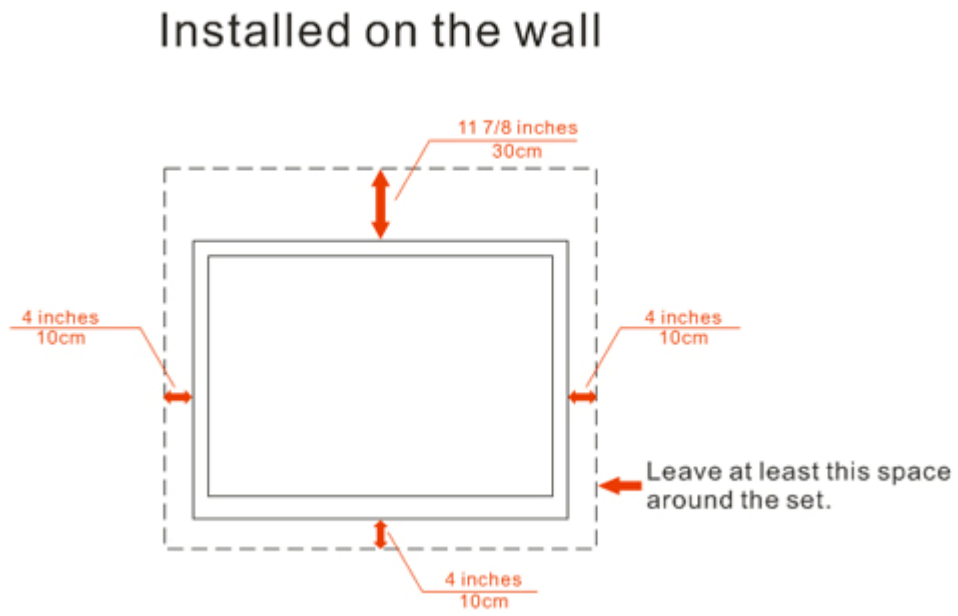
Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.

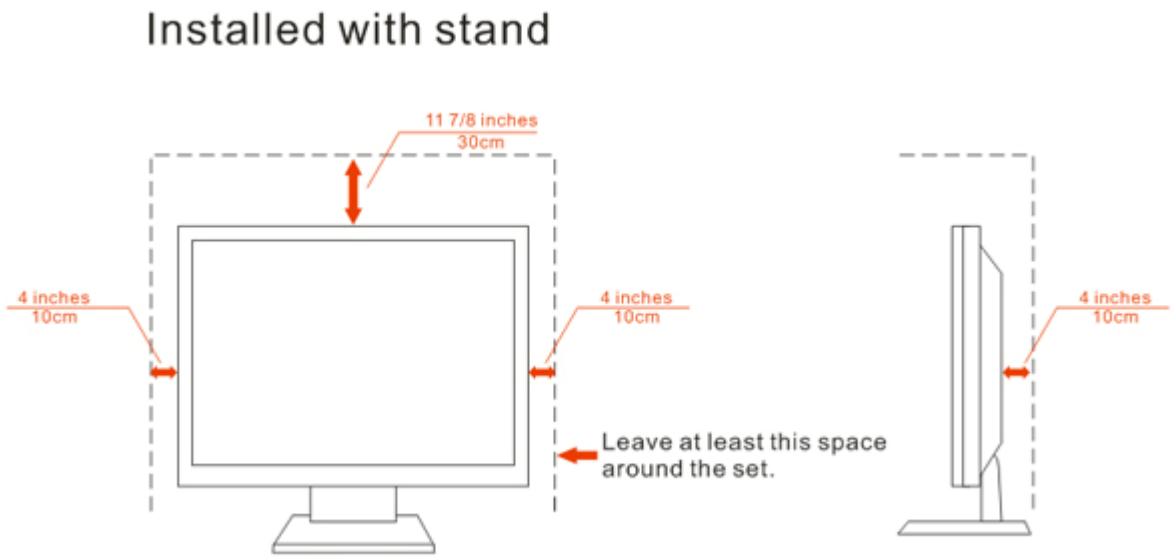
Do not place the front of the product on the floor.

If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

Leave some space around the monitor as shown below. Otherwise, air-circulation may be inadequate hence overheating may cause a fire or damage to the monitor.

See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or on the stand:





Clean the cabinet regularly with the cloth provided. You can use soft-detergent to wipe out the stain, instead of
strong-detergent which will cauterize the product cabinet.

When cleaning, make sure no detergent is leaked into the product. The cleaning cloth should not be too rough
as it will scratch the screen surface.

Please disconnect the power cord before cleaning the product.

If the product is emitting a strange smell, sound or smoke, disconnect the power plug IMMEDIATELY and contact a Service Center.

Make sure that the ventilating openings are not blocked by a table or curtain.

Do not engage the LCD monitor in severe vibration or high impact conditions during operation.

Do not knock or drop the monitor during operation or transportation.

SETUP

Monitor

QSG

CD Manual

Screw

Monitor Base

Stand

Power Cable

DVI Cable

Analog Cable

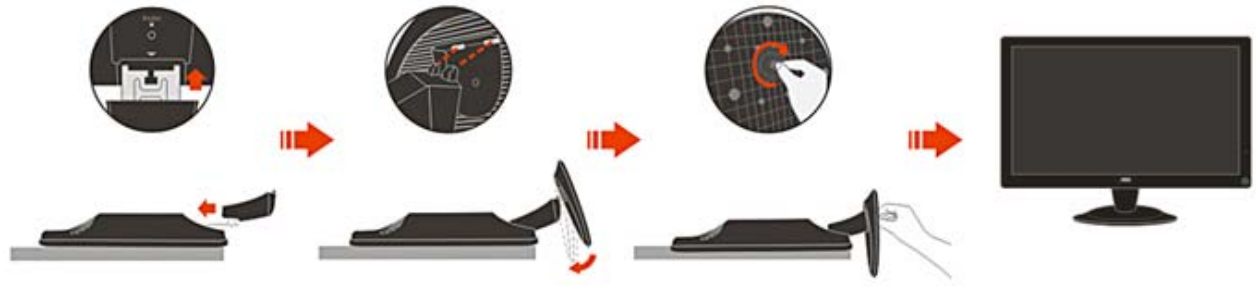
Audio Cable

HDMI Cable

USB Cable

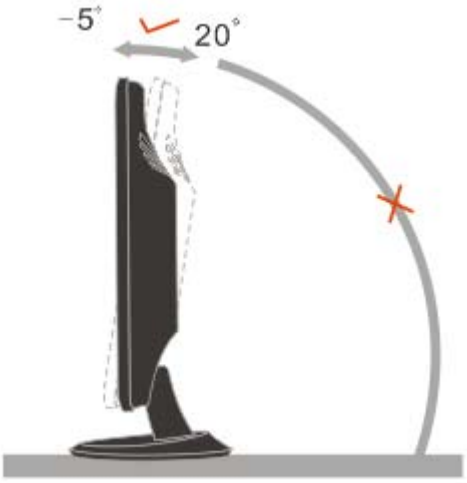
*Not all signal cables (Analog, DVI, USB, Audio, and HDMI cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

Please setup or remove the base following the steps as below.



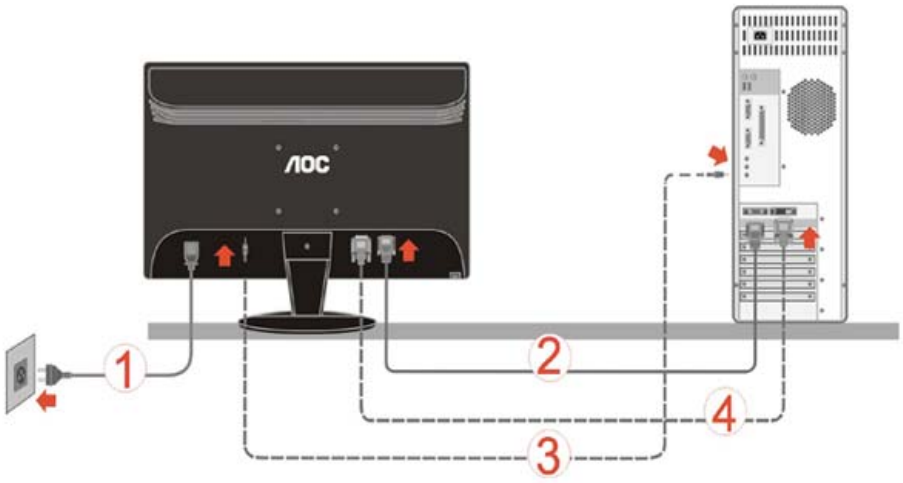
Remove:

- For optimal viewing it is recommended to look at the full face of the monitor, then adjust the monitor's angle to your own preference.
- Hold the stand so you will not topple the monitor when you change the monitor's angle.
- You are able to adjust the monitor's angle from -5° to 20 °.



NOTE:
Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

Cable Connections On Back of Monitor and Computer



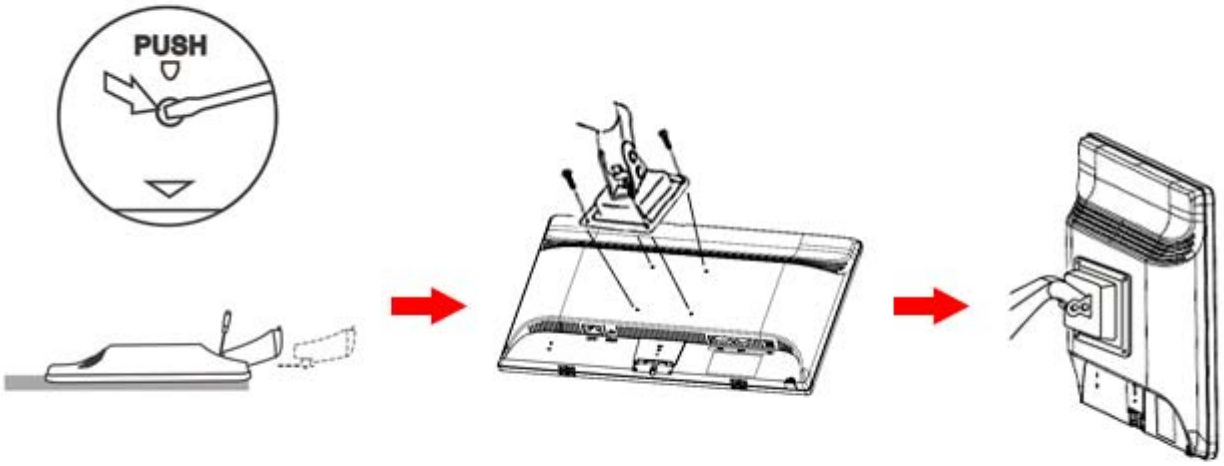
1. Power
2. Analog (DB-15 VGA cable)
3.Audio
4.DVI

To protect equipment, always turn off the PC and LCD monitor before connecting.

1. Connect the power cable to the AC port on the back of the monitor.
2. Connect one end of the 15-pin D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
3. Connect the audio cable to audio in port on the back of the monitor
4. (Optional – Requires a video card with DVI port) - Connect one end of the DVI cable to the back of the monitor and connect the other end to the computer's DVI port.
5. Turn on your monitor and computer.

If your monitor displays an image, installation is complete. If it does not display an image, please refer Troubleshooting.

Preparing to Install An Optional Wall Mounting Arm.



This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

1. Remove the base.
2. Follow the manufacturer's instructions to assemble the wall mounting arm.
3. Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.
4. Insert the 4 screws into the holes and tighten.
5. Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.

Noted : VESA mounting screw holes are not available for all models, please check with the dealer or official department of AOC.

Distance between the wall-mount holes : 100 x 100 mm

Screw specification for wall-mount : M4 x 10

Adjusting

The recommended resolution for this monitor is 1920 by 1080. To setup the monitor to this resolution, follow the steps below.

For Windows Vista:
1 Click **START**.
2 Click **CONTROL PANEL**.

3 Click **Appearance and Personalization**.

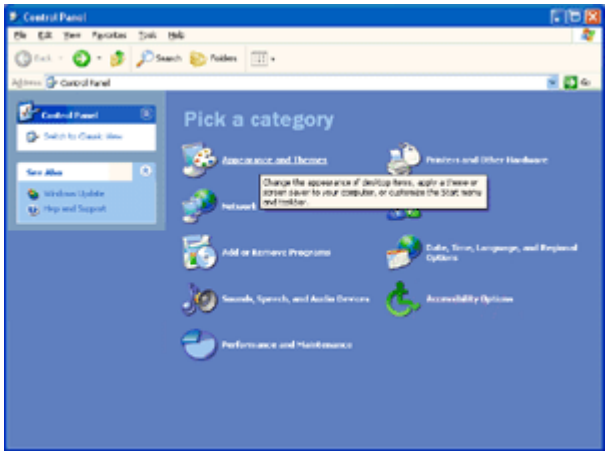
4 Click **Personalization**

5 Click **Display Settings**.

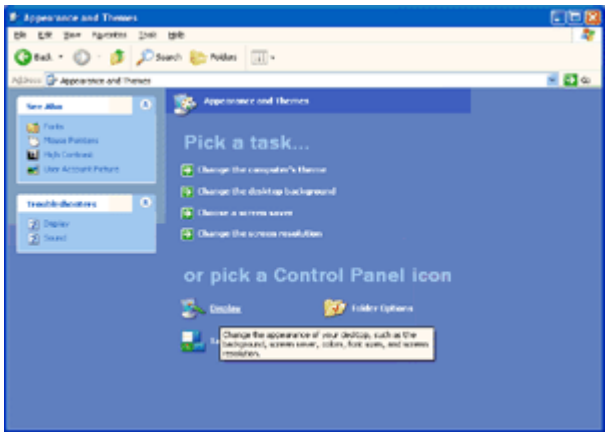
6 Set the resolution **SLIDE-BAR** to 1920 by 1080.

For Windows XP:
1 Click **START**.
2 Click **SETTINGS**.
3 Click **CONTROL PANEL**.

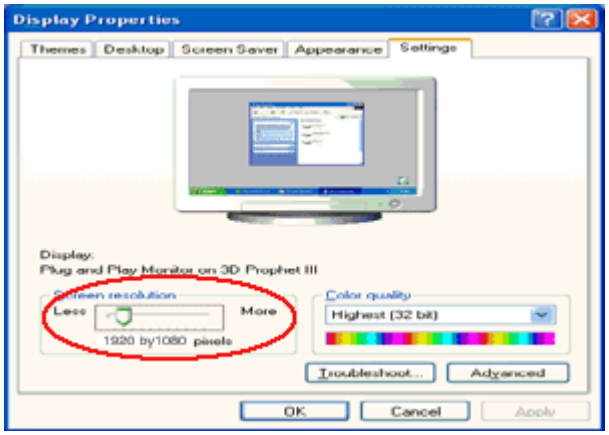
4 Click **Appearance and Themes.**



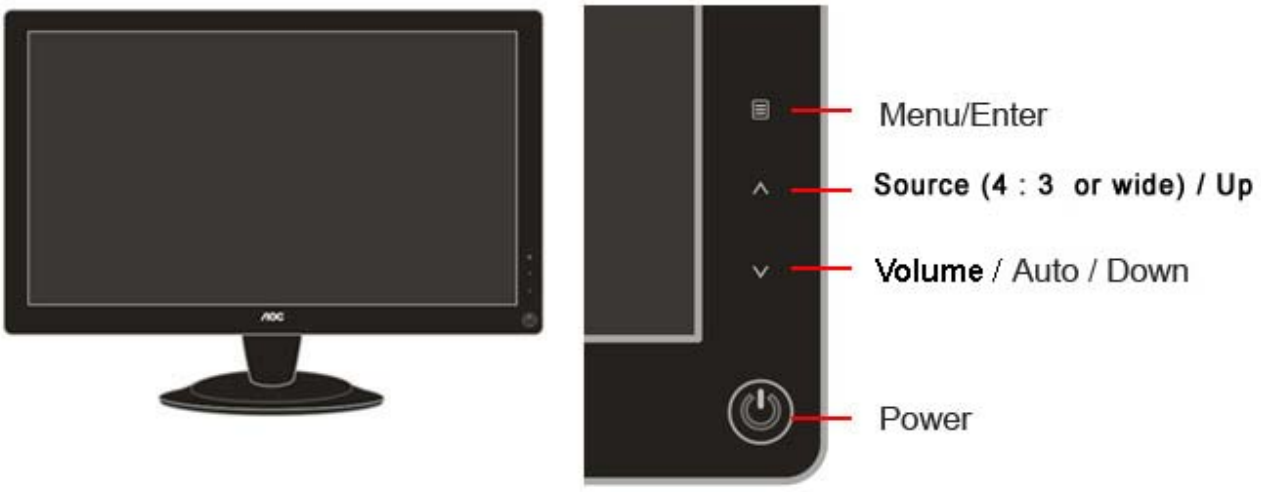
5 Double click **DISPLAY**.



6 Click **SETTINGS**.
7 Set the resolution **SLIDE-BAR** to 1920 by 1080.



For Windows ME/2000:
1 Click **START**.
2 Click **SETTINGS**.
3 Click **CONTROL PANEL**.
4 Double click **DISPLAY**.
5 Click **SETTINGS**.
6 Set the resolution **SLIDE-BAR** to 1920 by 1080.



Power

Press to turn on or turn off the monitor.

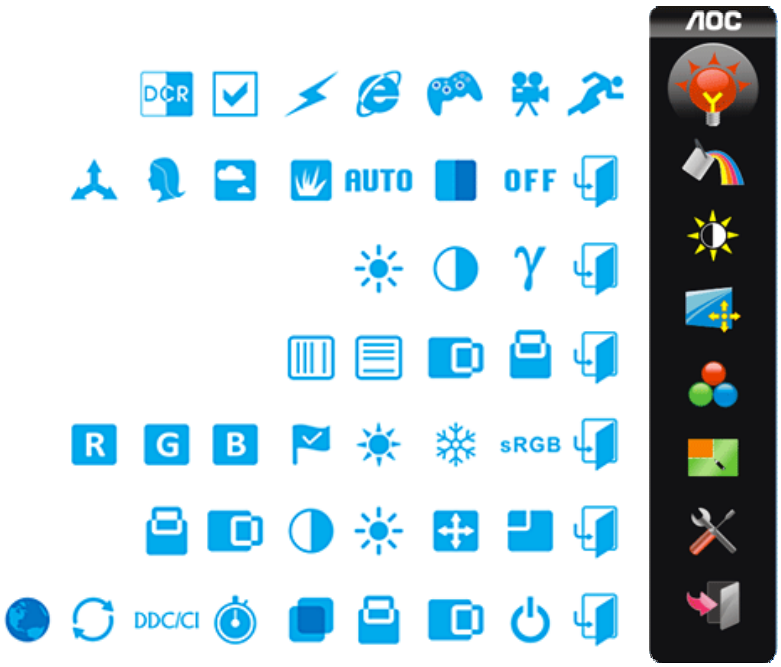
4:3 or wide / Up

Press ^key to change the screen aspect ratio between standard 4 : 3format or Wide format. When the input resolution wide format, the aspect ratio hotkey is disabled. When the main menu or sub-menu is active, the ^key functions as to select up or increase value.

Auto / Down

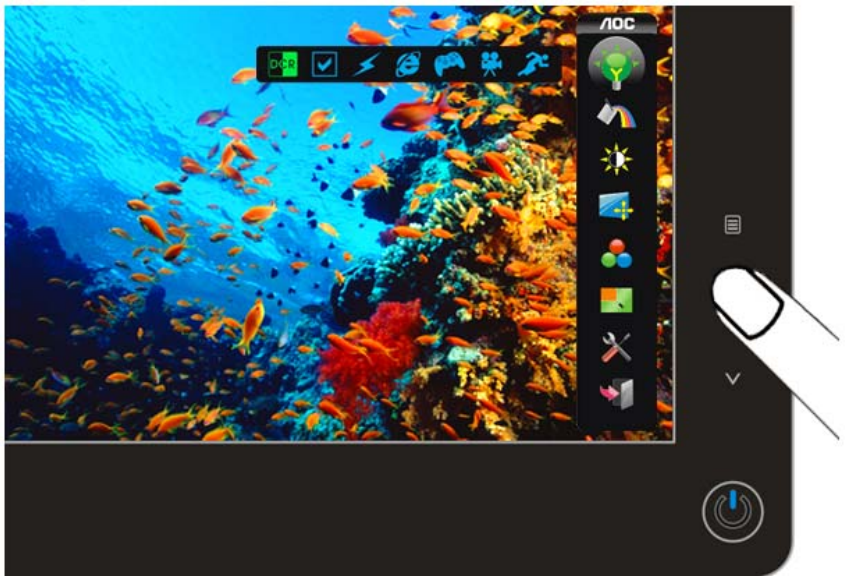
Auto configure hot key: When the OSD is closed, press Auto button to do auto configure.

OSD SETTING

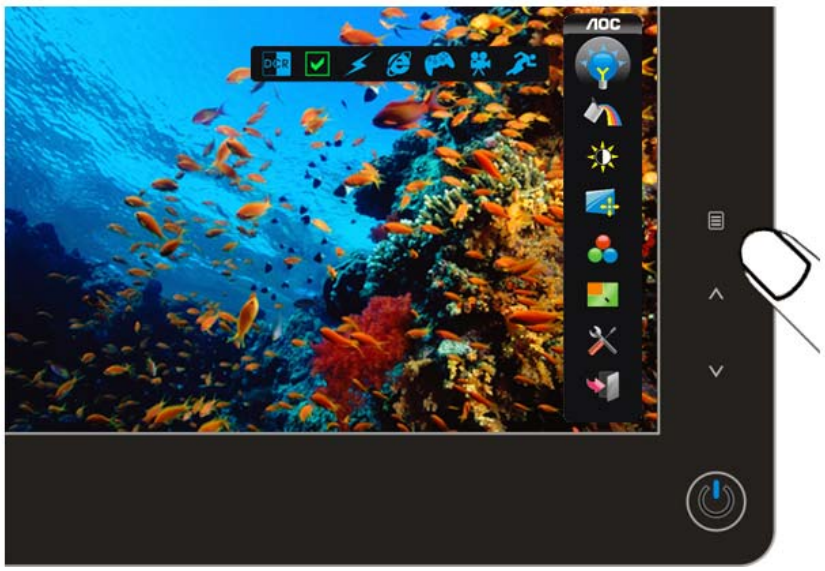


Eco mode ---DCR, Standard, Text, Internet, Game, Movie, Sports

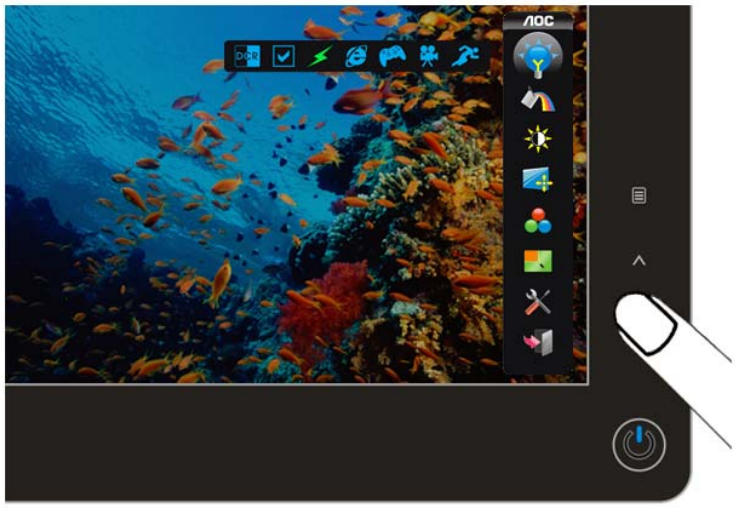
DCR



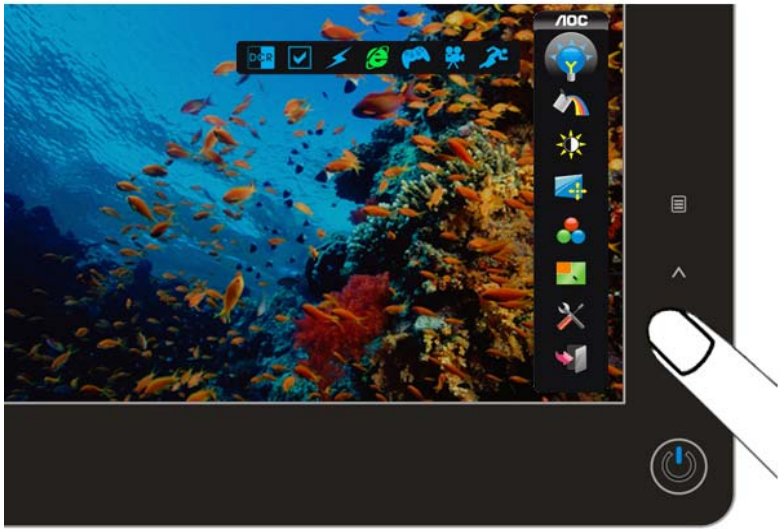
Standard



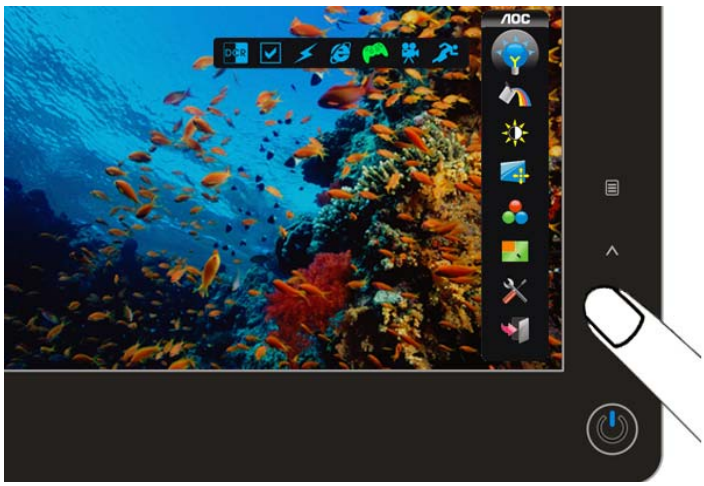
TEXT



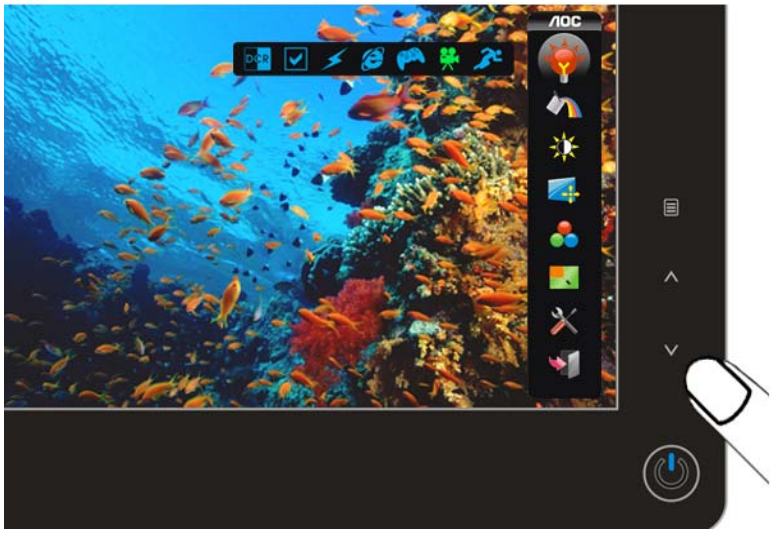
INTERNET



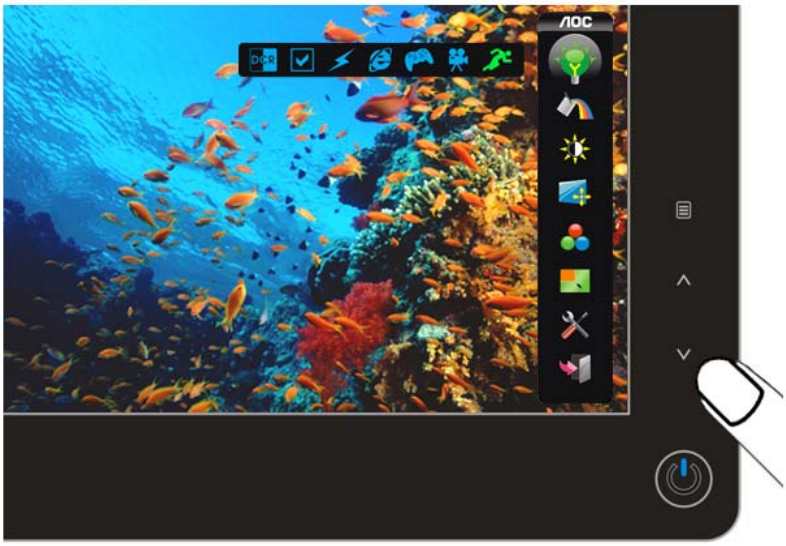
Game



Movie

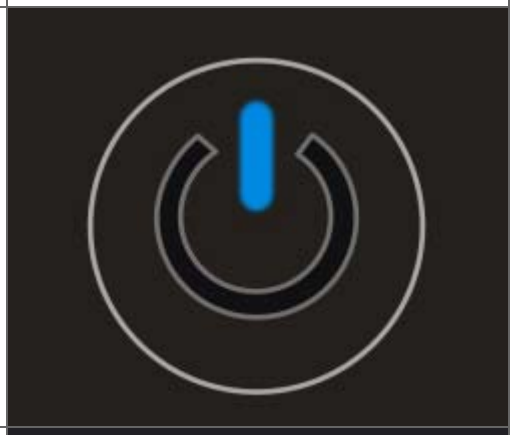


Sports



Notes : When Eco mode is not set as “Standard”, Contrast and Brightness can not be adjusted; When DCR is set as “On”, Contrast, Brightness, Eco mode and Gamma can not be adjusted.

LED INDICATOR

Status	LED Color	
Full Power Mode	Blue	
Active-off Mode	Orange	

DRIVER INSTALLATION GUIDE

Windows 2000

1. Start Windows® 2000
2. Click on the 'Start' button, point to 'Settings', and then click on 'Control Panel'.
3. Double click on the 'Display' Icon.
4. Select the 'Settings' tab then click on 'Advanced...'.
5. Select 'Monitor'
- If the 'Properties' button is inactive, it means your monitor is properly configured. Please stop installation.
- If the 'Properties' button is active. Click on 'Properties' button. Please follow the steps given below.
6. Click on 'Driver' and then click on 'Update Driver...' then click on the 'Next' button.
7. Select 'Display a list of the known drivers for this device so that I can choose a specific driver', then click on 'Next' and then click on 'Have disk...'.
8. Click on the 'Browse...' button then select the appropriate drive F: (CD-ROM Drive).
9. Click on the 'Open' button, then click on the 'OK' button.
10. Select your monitor model and click on the 'Next' button.
11. Click on the 'Finish' button then the 'Close' button.

If you can see the 'Digital Signature Not Found' window, click on the 'Yes' button.

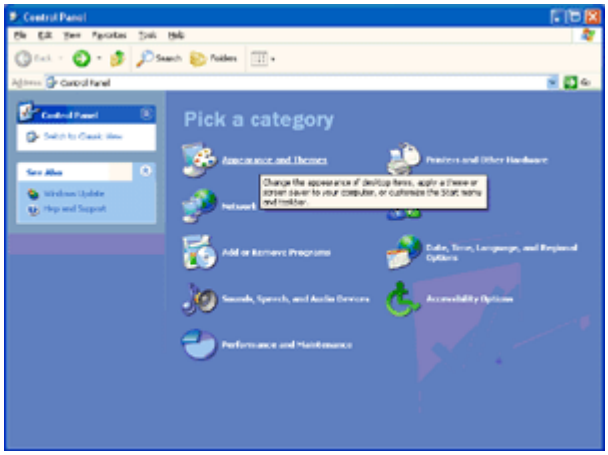
Windows ME

1. Start Windows® Me
2. Click on the 'Start' button, point to 'Settings', and then click on 'Control Panel'.
3. Double click on the 'Display' Icon.
4. Select the 'Settings' tab then click on 'Advanced...'.
5. Select the 'Monitor' button, then click on 'Change...' button.
6. Select 'Specify the location of the driver(Advanced)' and click on the 'Next' button.
7. Select 'Display a list of all the drivers in a specific location, so you can choose the driver you want', then click on 'Next' and then click on 'Have Disk...'.
8. Click on the 'Browse...' button, select the appropriate drive F: (CD-ROM Drive) then click on the 'OK' button.
9. Click on the 'OK' button, select your monitor model and click on the 'Next' button.
10. Click on 'Finish' button then the 'Close' button.

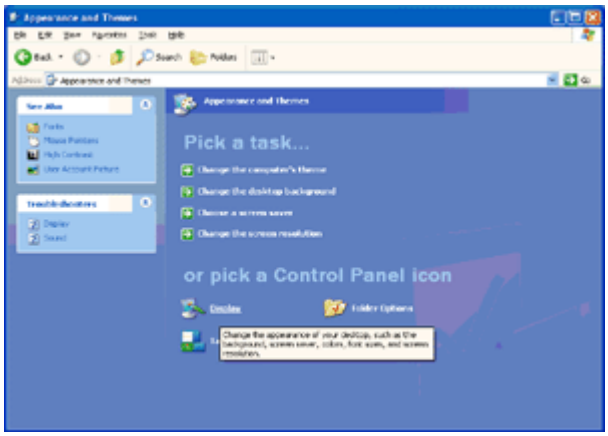
Windows XP

1. Start Windows® XP
2. Click on the 'Start' button and then click on 'Control Panel'.

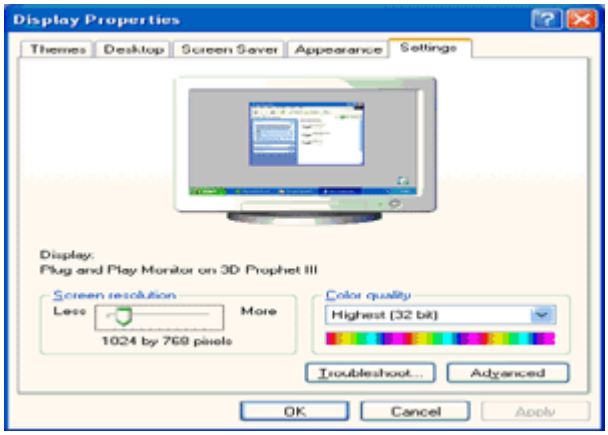
3. Select and click on the category ‘Appearance and Themes’



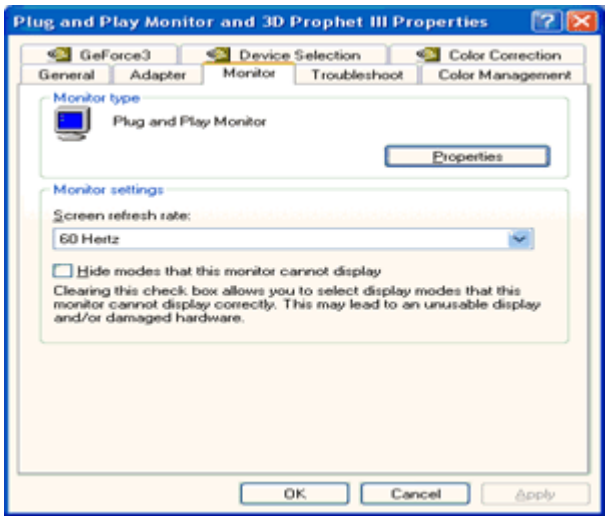
4. Click on the 'Display' Item.



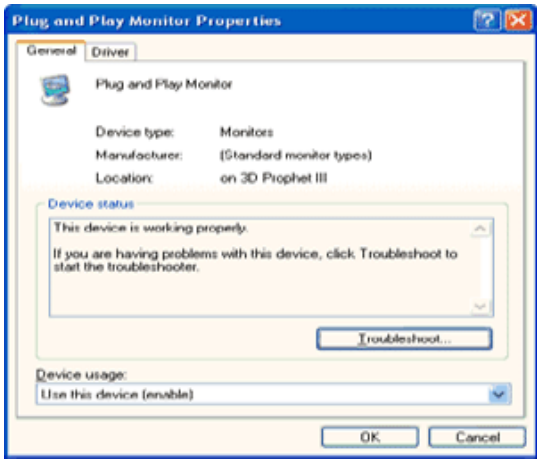
5. Select the 'Settings' tab then click on the 'Advanced' button.



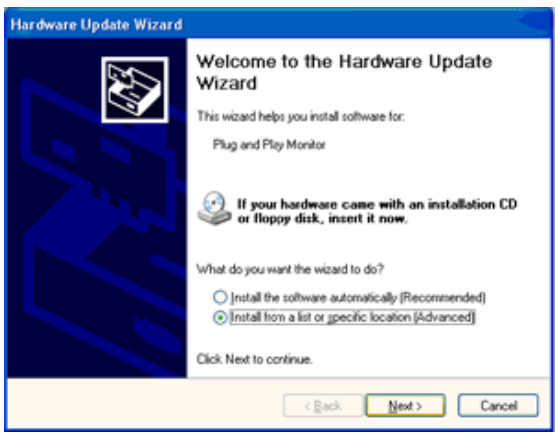
6. Select 'Monitor' tab
- If the 'Properties' button is inactive, it means your monitor is properly configured. Please stop installation.
- If the 'Properties' button is active, click on 'Properties' button.
Please follow the steps below.



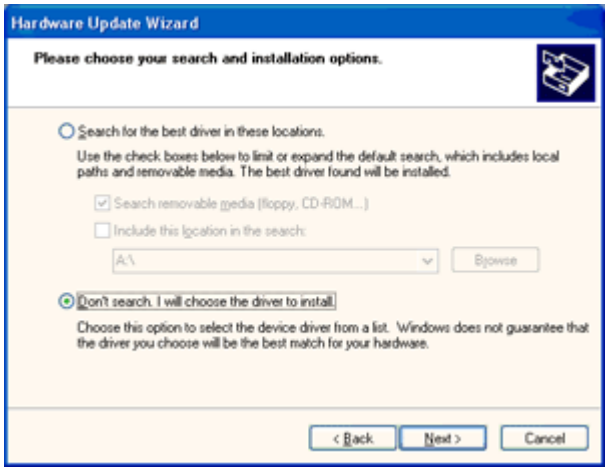
7. Click on the 'Driver' tab and then click on 'Update Driver...' button.



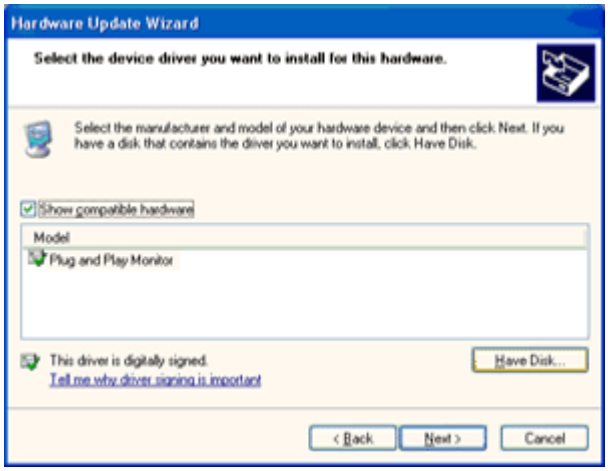
8. Select the 'Install from a list or specific location [advanced]' radio button and then click on the 'Next' button.


Hardware Update Wizard
Welcome to the Hardware Update Wizard
This wizard helps you install software for:
Plug and Play Monitor
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

9. Select the 'Don't Search. I will choose the driver to install' radio button. Then click on the 'Next' button.


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
A:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

10. Click on the 'Have disk...' button, then click on the 'Browse...' button and then select the appropriate drive F: (CD-ROM Drive).


Hardware Update Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
Plug and Play Monitor
This driver is digitally signed.
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

11. Click on the 'Open' button, then click the 'OK' button.
12. Select your monitor model and click on the 'Next' button.
- If you can see the 'has not passed Windows® Logo testing to verify its compatibility with Windows® XP' message, please click on the 'Continue Anyway' button.
13. Click on the 'Finish' button then the 'Close' button.
14. Click on the 'OK' button and then the 'OK' button again to close the Display_Properties dialog box.

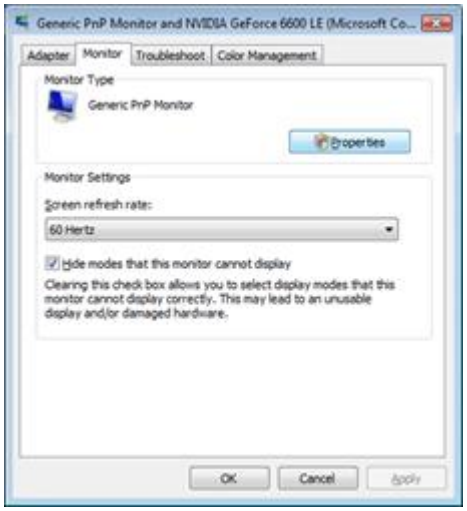
Windows Vista

1. Click "Start " and "Control Panel". Then, double-click on "Appearance and Personalization".

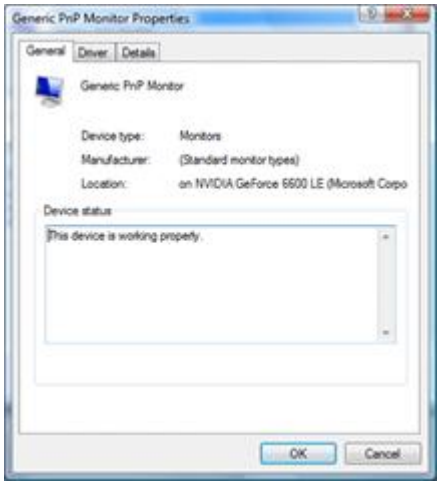
2. Click "Personalization" and then "Display Settings".

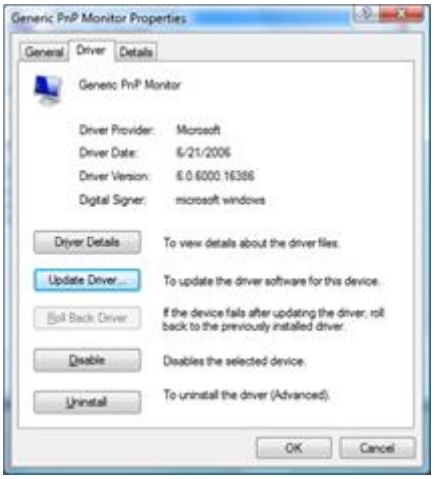
3. Click "Advanced Settings...".

4. Click "Properties" in the "Monitor" tab. If the "Properties" button is deactivated, it means the configuration for your monitor is completed. The monitor can be used as is.
If the message "Windows needs..." is displayed, as shown in the figure below, click "Continue".


Generic PnP Monitor and NVIDIA GeForce 6600 LE (Microsoft Co...
Adapter
Monitor
Troubleshoot
Color Management
Monitor Type
Generic PnP Monitor
Properties
Monitor Settings
Screen refresh rate:
60 Hertz
Hide modes that this monitor cannot display
Clearing this check box allows you to select display modes that this monitor cannot display correctly. This may lead to an unusable display and/or damaged hardware.
OK
Cancel
Apply

5. Click "Update Driver..." in the "Driver" tab.





6. Check the "Browse my computer for driver software" checkbox and click "Let me pick from a list of device drivers on my computer".

Browse for driver software on your computer
Search for driver software in this location:
Browse...
Include subfolders
Let me pick from a list of device drivers on my computer
This list will show installed driver software compatible with the device, and all driver software in the same category as the device.
Next
Cancel

7. Click on the 'Have disk...' button, then click on the 'Browse...' button and then select the appropriate drive F:\Driver (CD-ROM Drive).
8. Select your monitor model and click on the 'Next' button.
9. Click "Close" → "Close" → "OK" → "OK" on the following screens displayed in sequence.

I_MENU

Welcome to “i-Menu” software by AOC. i-Menu makes it easy to adjust your monitor display setting by using on screen menus instead of the OSD button on the monitor. Please click **here** to setup the software. To complete installation, please follow the installation guide .

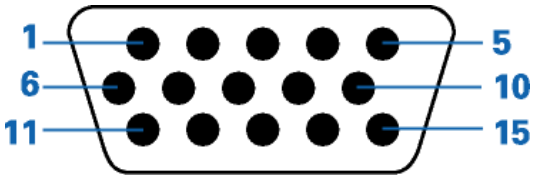
PRODUCT INFORMATION

LCD Panel	model name	2236Vwa	
	Driving system	TFT Color LCD	
	Viewable Image Size	547mm diagonal	
	Pixel pitch	0.248mm(H) x 0.248mm(V)	
	Video	R, G, B Analog Interface & Digital Interface	
	Separate Sync.	H/V TTL	
	Display Color	16.7M Colors	
	Dot Clock	148.5 MHz	
Resolution	Horizontal scan range	30 kHz - 80 kHz	
	Horizontal scan Size(Maximum)	476.64mm	
	Vertical scan range	55 Hz - 75 Hz	
	Vertical scan Size(Maximum)	268.11mm	
	Optimal preset resolution	1920 x 1080 (60 Hz)	
	Highest preset resolution	1920 x 1080 (60 Hz)	
	Plug & Play	VESA DDC2B/CI	
	Input Connector	D-Sub 15pin & DVI-D	
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, TMDS	
	Power Source	100-240V ~ , 50/60Hz	
	Power Consumption	Typical < 42 W	
		Standby < 1 W	
	USB Downstream port (A type)	To USB device, loading < 100mA	
	off timer	0~24hours	Select timing to turn off the monitor.
	Speakers	2W x 2	
Physical Characteristics	Connector Type	15-pin Mini D-Sub& DVI-D	
	Signal Cable Type	Detachable	
	Dimensions & Weight:	Height (with base)	396.6 mm
		Width	531.3mm
		Depth	206mm
		Weight (monitor only)	4.35 kg
		Weight (with packaging)	5.8 kg
Environmental	Temperature:	Operating	0° to 40°
		Non-Operating	-20°to 60°
	Humidity:	Operating	10% to 85% (non-condensing)
		Non-Operating	5% to 80% (non-condensing)
	Altitude:	Operating	0~ 3000m (0~ 10000 ft)
		Non-Operating	0~ 5000m (0~ 15000 ft)

Preset Display Modes

STAND	RESOLUTION	HORIZONTAL FREQUENCY(kHZ)	VERTICAL FREQUENCY(Hz)
VGA	640×480 @60Hz	31.469	59.940
VGA	640×480 @67Hz	35.000	66.667
VGA	640×480 @72Hz	37.861	72.809
VGA	640×480 @75Hz	37.500	75.000
Dos-mode	720×400 @70Hz	31.469	70.087
SVGA	800×600 @56Hz	35.156	56.250
SVGA	800×600 @60Hz	37.879	60.317
SVGA	800×600 @72Hz	48.077	72.188
SVGA	800×600 @75Hz	46.875	75.000
SVGA	832×624 @75Hz	49.725	74.550
XGA	1024×768 @60Hz	48.363	60.004
XGA	1024×768 @70Hz	56.476	70.069
XGA	1024×768 @75Hz	60.023	75.029
XGA	1024×768 @75Hz	60.241	74.927
***	1280×960 @60Hz	60.000	60.000
SXGA	1280×1024 @60Hz	63.981	60.02
SXGA	1280×1024 @75Hz	79.976	75.025
WXGA+	1440×900 @60Hz	55.935	59.887
WSXGA	1680X1050 @60Hz	65.290	59.954
HD	1920×1080@60Hz	67.500	60.000

Pin Assignments



Pin Number	15-Pin Side of the Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	N.C.
5	Detect Cable
6	GND-R
7	GND-G
8	GND-B
9	+5V
10	Ground
11	N.C.
12	DDC-Serial data
13	H-sync
14	V-sync
15	DDC-Serial clock

PLUG & PLAY

Plug & Play DDC2B Feature

This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD.
It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities.
The DDC2B is a bi-directional data channel based on the I^2C protocol. The host can request EDID information over the DDC2B channel.

TROUBLESHOOT

Problem & Question	Possible Solutions
Power LED Is Not ON	• Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor.
No images on the screen	• **Is the power cord connected properly?** Check the power cord connection and power supply. • **Is the cable connected correctly?** (Connected using the D-sub cable) Check the DB-15 cable connection. (Connected using the DVI cable) Check the DVI cable connection. * DVI input is not available on every model. • **If the power is on, reboot the computer to see the initial screen (the login screen), which can be seen.** If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows ME/XP/2000) and then change the frequency of the video card. (Refer to the Setting the Optimal Resolution) If the initial screen (the login screen) does not appear, **contact the Service Center or your dealer**. • **Can you see "Input Not Supported" on the screen?** You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly. • Make sure the AOC Monitor Drivers are installed (AOC Monitor Drivers are available at : **here)**
Picture Is Fuzzy & Has Ghosting Shadowing Problem	• Adjust the Contrast and Brightness Controls. • Press to auto adjust. • Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back .
Picture Bounces, Flickers Or Wave Pattern Appears In The Picture	• Move electrical devices that may cause electrical interference as far away from the monitor as possible. • Use the maximum refresh rate your monitor is capable of at the resolution your are using.
Monitor Is Stuck In Active Off-Mode"	• The Computer Power Switch should be in the ON position. • The Computer Video Card should be snugly fitted in its slot. • Make sure the monitor's video cable is properly connected to the computer. • Inspect the monitor's video cable and make sure no pin is bent. • Make sure your computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED. The LED should either turn

	ON or OFF after hitting the CAPS LOCK key.
Missing one of the primary colors (RED, GREEN, or BLUE)	• Inspect the monitor's video cable and make sure that no pin is damaged. • Make sure the monitor's video cable is properly connected to the computer.
Screen image is not centered or sized properly	• Adjust H-Position and V-Position or press hot-key (AUTO).
Picture has color defects (white does not look white)	• Adjust RGB color or select desired color temperature.
Horizontal or vertical disturbances on the screen	• Use Windows 95/98/2000/ME/XP shut-down mode Adjust CLOCK and FOCUS. • Press to auto-adjust.